

# 2 COMPASS

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## 2.1 Extending Sass

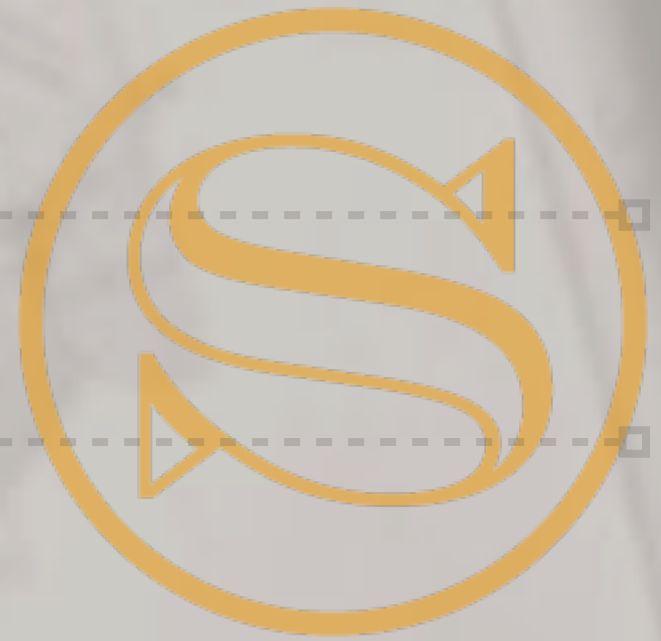
## 2.2 History

## 2.3 Importing Compass

## 2.4 The Reset Module

## 2.5 Prefixed No More

## 2.6 Gradients





# Compass

- Open-source CSS Authoring Framework
- Adds reusable patterns, utilities, and modules like vertical rhythm and spriting
- We'll focus on the high points

## 2.1 Extending Sass



- Created by Chris Eppstein as charityware
- **Other core team members:**  
Scott Davis, Eric Meyer, Brandon Mathis, and Anthony Short
- Source: <http://github.com/chriseppstein/compass>

## 2.2 History





## 2.1 Extending Sass

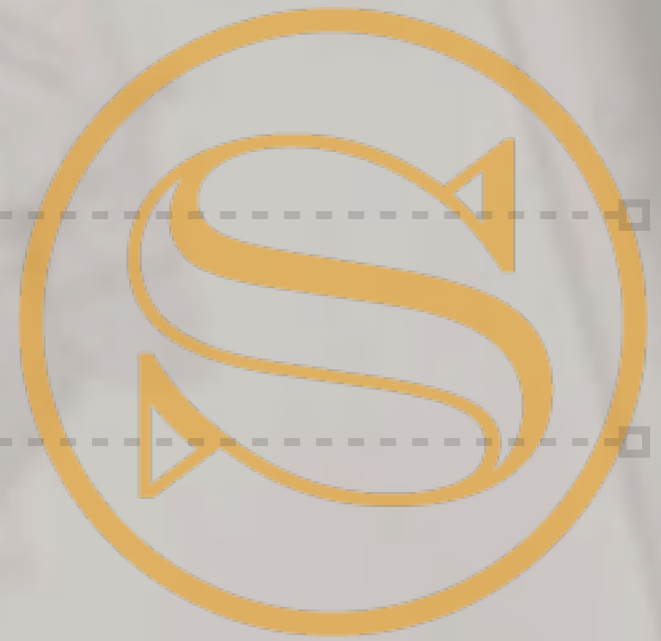
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# Modules

Compass comprises **five** main modules:

- `utilities`
- `typography`
- `css3`
- `layout`
- `reset`

`reset` is the only module  
that automatically outputs some  
cSS when imported



## 2.3 Importing Compass



# Importing

Once installed, use `@import` to make Compass available:

`application.sass`

```
@import "compass" ← utilities, typography, and css3  
@import "compass/layout"
```

## 2.3 Importing Compass





## Assembly Tip

It's easiest to lead your  
main Sass file off with  
these imports\*

\* Unless restricting which features are available



# Importing Reset

Adds a set of rules based on Eric Meyer's reset after compiling:

application.sass

```
@import "compass/reset"
```



- **Not ideal** in production: unable to make tweaks to fit your site's specific needs
- Avoid if you plan on using Normalize.css

## 2.4 The Reset Module



## 2.1 Extending Sass

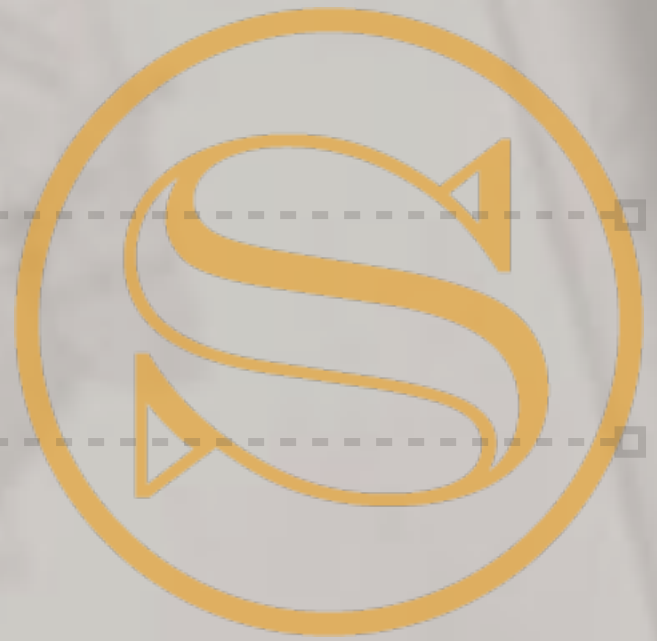
## 2.2 History

## 2.3 Importing Compass

## 2.4 The Reset Module

## **2.5 Prefixed No More**

## 2.6 Gradients



Part 1 showed how mixins can simplify prefixed properties:

application.sass

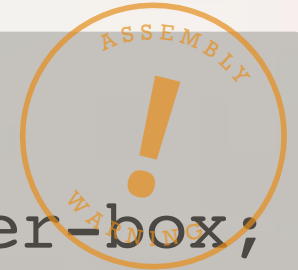
```
=box-sizing($x)
  -webkit-box-sizing: $x
  -moz-box-sizing: $x
  box-sizing: $x

.content
  +box-sizing(border-box)
```

application.css

```
.content {
  -webkit-box-sizing: border-box;
  -moz-box-sizing: border-box;
  box-sizing: border-box;
}
```

-o-? -ms-?



## 2.5 Prefixed No More



application.sass

```
@import "compass"
```

```
.content  
  +box-sizing(border-box)
```

application.css

```
.content {  
  -webkit-box-sizing: border-box;  
  -moz-box-sizing: border-box;  
  box-sizing: border-box;  
}
```

(the extra prefixes  
weren't needed)

## 2.5 Prefixed No More



# Useful CSS3 Module Mixins\*

- ⦿ background (gradients)
- ⦿ border-radius
- ⦿ box-shadow
- ⦿ columns
- ⦿ transform
- ⦿ transition

\* Check the browsers you intend to support to see if providing prefixes is still necessary

## 2.5 Prefixed No More





# The Background Mixin

Prefixed CSS3 gradients are a bit... verbose:

application.css

```
.content {  
  background: -webkit-gradient(linear, 50% 0%, 50% 100%,  
color-stop(0%, #9b9592), color-stop(100%, #3c3733));  
  background: -webkit-linear-gradient(top, #9b9592, #3c3733);  
  background: -moz-linear-gradient(top, #9b9592, #3c3733);  
  background: -o-linear-gradient(top, #9b9592, #3c3733);  
  background: -ms-linear-gradient(top, #9b9592, #3c3733);  
  background: linear-gradient(top, #9b9592, #3c3733);  
}
```



## 2.6 Gradients





`linear-gradient(top, #9b9592, #3c3733)`

# Linear Gradients

Using the non-prefixed property with the background mixin:

application.sass

```
@import "compass"

.content
  +background(linear-gradient(top, #9b9592, #3c3733))
```



outputs everything shown  
in the initial example

## 2.6 Gradients



# Radial Gradients

The radial gradient syntax also works within the mixin:

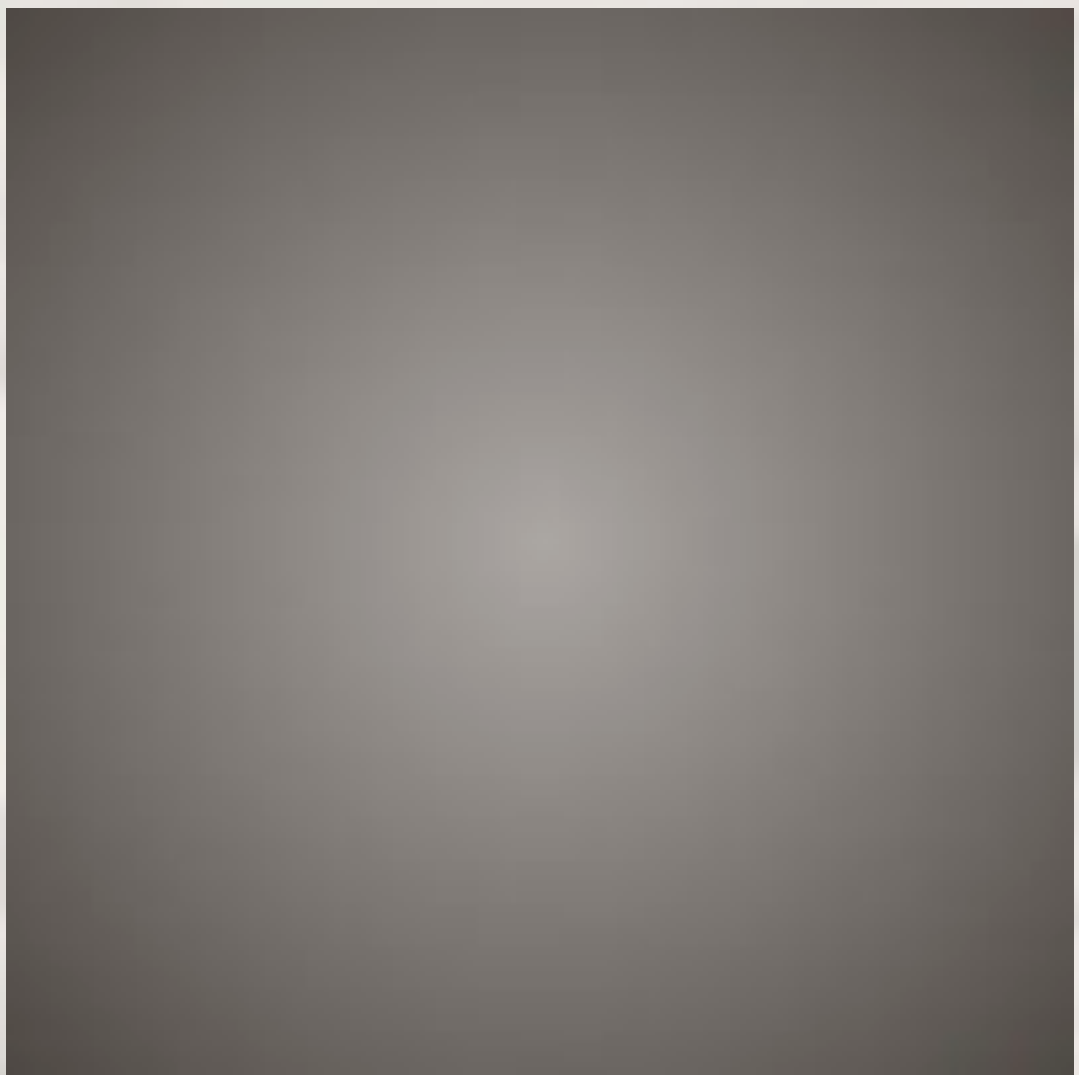
application.sass

```
@import "compass"

.content
  +background(radial-gradient(center, #9b9592, #3c3733))
```

## 2.6 Gradients





`radial-gradient(center, #9b9592, #3c3733)`

More robust color stops are also supported:

application.sass

```
@import "compass"

.content
  +background(linear-gradient(top, #9b9592, #e79e23 75%, #3c3733))
```



## 2.6 Gradients







```
linear-gradient(top, #9b9592, #e79e23 75%, #3c3733)
```